



## PLA i3D Tested

### Specifications

**i3D Tested** is an easy-to-print, compostable biodegradable PLA (Polylactic acid) filament for 3D printers, available in a wide range of colors. i3D Tested PLA is warping free and has excellent layer adhesion.

### Filament Specifications

Filament Specifications	Unit	Value	Standards
Diameter	mm	1.75	
Net Weight	g	1.000	
Density	g/cm <sup>3</sup>	1.24	
Flow Rate	8	g/10 min	ISO 1133-A
Melting Temp.	155°	°C Tm (DSC)	
Glass Transition Temp.	55 - 60°	°C Tm (DSC)	

### Mechanical Specifications

Mechanical Specifications	Unit	Value	Standards
Tensile Strength	MPa	45	ISO 527-1
Tensile Modulus	MPa	3500	ISO 527-1
Tensile Elongation		5%	ISO 527-1
Notched Impact (Charpy)	kJ/m <sup>2</sup>	≤5	ISO 179-1eA

### Printing Settings

Mechanical Specifications	Unit	Value
Nozzle Temp.	190 - 220	°C
Bed Temp.	0-60	°C
Fan Speed	%	100
Flow	%	95-100



## Regulatory Information

1. **Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC)**
  - REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 (REACH)
  - Annex XIV - List of Substances of Very High Concern for Authorization: None of the components are listed.
  - Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable
2. **Chemical Safety Assessment:** Not available
3. **Results of PBT and vPvB assessment PBT:** This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.  
**vPvB:** This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
4. **Waste treatment methods:** Dispose of contents/container in accordance with licensed collector's sorting instructions.
5. **Contaminated container and packaging:** No additional information available.
6. **Additional information:** No additional information available.
7. **Product/Packaging disposal recommendations:** Dispose in a safe manner in accordance with local/national regulations Do not re-use empty containers without proper cleaning or reconditioning.
8. **Regional legislation (waste):** Dispose in a safe manner in accordance with local/national regulations